

ABSTRACT OF THE DISCLOSURE

HIGH FIELD ION MOBILITY METHOD AND APPARATUS FOR
DETECTION OF BIOMARKERS

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Wide-spectrum High Field Ion Mobility Spectrometer method and apparatus for chemical and biological sensing applications from industrial to biomedical, used as a stand-alone sensor or as a gas chromatographic detector, including for detection of chemicals that are difficult to distinguish such as xylene isomers, and detection of 10 biomarkers for biothreats, for food quality and for breath analysis.